

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 12163 (1987): Cant Hook [FAD 21: Farm Implements and Machinery]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

SPECIFICATION FOR CANT HOOK

1. Scope — Specifies material, dimensions, and other requirements for cant hooks used for turning and rolling of logs and releasing the lodged trees by a single person.

2. Material — Shall be made of suitable steel in hardened and tempered conditions meeting the requirements given in 2.1. Suitable composition of the steel is:

Carbon	0.4 to 0.6 percent
Silicon	0.35 percent, <i>Max</i>
Manganese	0.5 to 0.9 percent
Sulphur	0.05 percent, <i>Max</i>
Phosphorus	0.05 percent, <i>Max</i>

2.1 Hardness — 35 to 42 HRC.

3. Shape and Dimensions — Shall be as shown in Fig. 1.

3.1 Tolerance on the dimensions shall be very coarse class specified in IS : 2102 (Part 1)-1980 'General tolerances for linear and angular dimensions (*second revision*)'.

4. Other Requirements

4.1 The hook shall not deform and also the rivet shall not break when a load of 500 kg is applied.

4.2 The hook shall be secured by means of rivet with the head and the head shall have a free movement with respect to hook.

5. Workmanship and Finish — The hook shall be free from cracks, burrs, pits and other defects detrimental to their normal use.

5.1 The hook shall be painted with the crimson red [*see Indian standard colour No. 540 of IS : 5-1978 'Colours for ready mixed paints and enamels (*third revision*)'].*

6. Designation — Cant hooks shall be designated by its name and the number of this Indian standard as follows:

Cant hook IS : 12163-1987

7. Marking — Each hook shall be legibly and indelibly stamped with the manufacturer's name or trade-mark.

7.1 Standard Marking — Details available with the Bureau of Indian Standards.

8. Packing — Shall be as agreed to between the manufacturer and the purchaser.

9. Sampling Unless otherwise agreed to between the manufacturer and the purchaser, the sampling plan and criteria for conformity shall be as given in Appendix A.

APPENDIX A

(*Clause 9*)

SCALE OF SAMPLING AND CRITERIA FOR CONFORMITY

A-1. Scale of Sampling

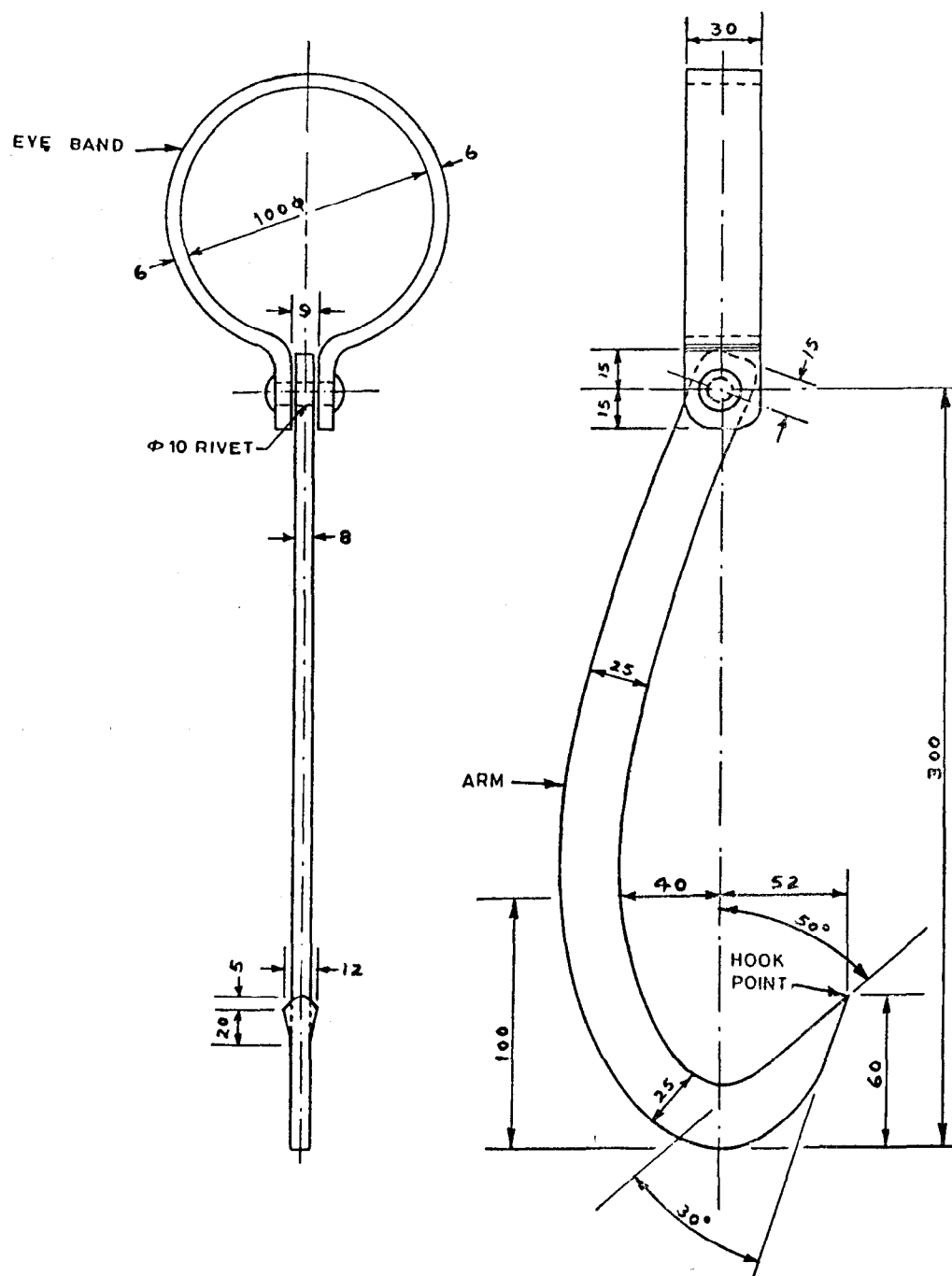
A-1.1 Lot — In any consignment all the hooks of the same grade and nominal size manufactured under similar conditions of manufacture shall be grouped together to constitute a lot.

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BUREAU OF INDIAN STANDARDS
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All dimensions in millimetres.

FIG. 1 CANT HOOK

A-1.2 For ascertaining the conformity of the lot to the requirements of this specification tests shall be carried out from the hooks selected from each lot separately. The number of hooks to be selected at random from a lot shall be in accordance with col 1 and 2 of Table 1. To ensure the randomness of selection, the procedure as laid down in IS : 4905-1968 'Methods for random sampling' shall be followed.

TABLE 1 SAMPLING SIZE AND PERMISSIBLE NUMBER OF DEFECTIVES
(*Clauses A-1.2 and A-2.1.1*)

Lot Size	Sample Size	Permissible Number of Defectives
(1)	(2)	(3)
Up to 50	5	0
51 to 150	8	0
151 to 300	13	1
301 to 500	20	2
501 and above	32	3

A-2. Number of Tests and Criteria for Conformity

A-2.1 The hooks selected according to **A-1.2** shall be examined for material (*see 2*), dimensions (*see 3*), and general requirements (*see 4 and 5*). Any hook failing to meet the requirements for any one or more of the characteristics mentioned above shall be declared defective.

A-2.1.1 The lot shall be considered conforming to the requirements of the characteristics mentioned above if the number of hooks found defective is less than or equal to the corresponding number given in col 3 of Table 1.

EXPLANATORY NOTE

Cant hooks are used for turning and rolling of logs and for releasing of lodged trees by a single person.

In the preparation of this standard assistance has been derived from Logging Development Division, Forest Research Institute and Colleges, Dehra Dun.